



CEFIPRA Lecture Series

QuanTalks



IISc Quantum Technology Initiative (IQTI) Seminar Series
A Special talk by French Nobel Laureate

History of the Science of Light: a reflexion about the connexion between basic and applied science

Saturday, February 11, 2023, 4 PM
Faculty Hall, Main Building, IISc

I have been lucky to start my career in research at the time the laser was invented. I have witnessed the fantastic achievements in basic and applied science that this device has made possible over the last sixty years. Beyond these latest developments, I have been led to reflect more broadly on the science of light which has accompanied the emergence and the evolution of the scientific method since the seventeenth century. This reflexion resulted in a book (« La lumière révélée », translated in English under the title « The science of Light ») in which I show how research driven by mere curiosity has often led to applications which have revolutionised our daily lives. The book also stresses the continuity of science by recalling a history which has led us from Galileo's telescope and Huygens' pendulum to modern quantum technologies which promise further revolutions in the twenty-first century.

Prof. Serge Haroche was awarded the Nobel Prize in physics in 2012 for developing groundbreaking methods that enable the measurement and manipulation of individual quantum systems. He has pioneered a research field called "Cavity Quantum Electrodynamics" which plays an important role in the development of quantum information science. He is an emeritus professor at Collège de France in Paris and a Member of the French Academy of Sciences.



Prof. Serge Haroche
College de France and Ecole Normale Supérieure, Paris



External participants, [Click here](#) to fill in the Registration form to attend this event.

High Tea at 5.30 PM

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